

FIG. 1

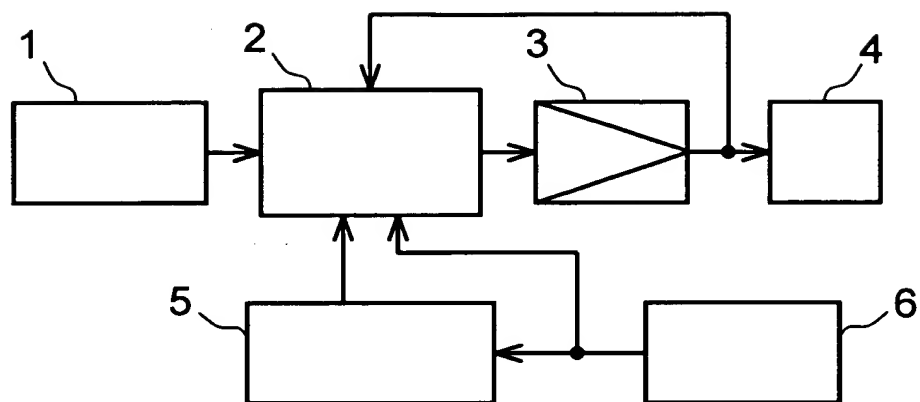


FIG. 2

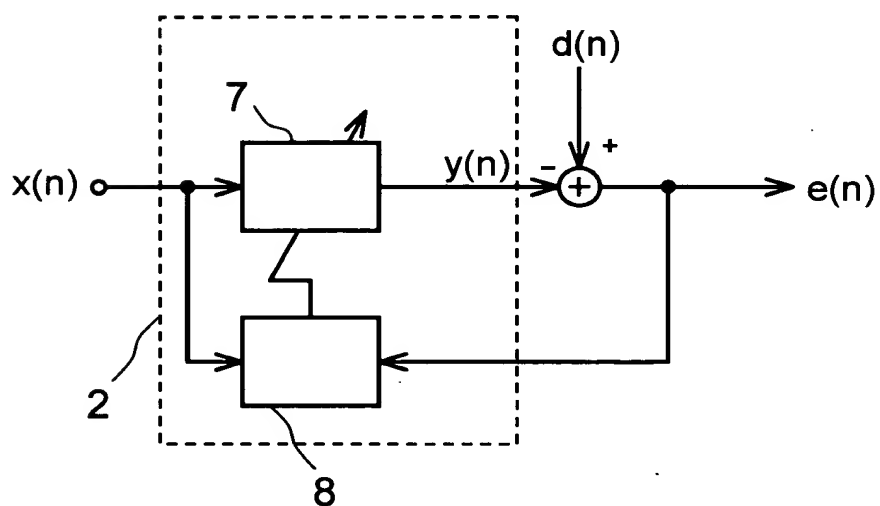


FIG. 3

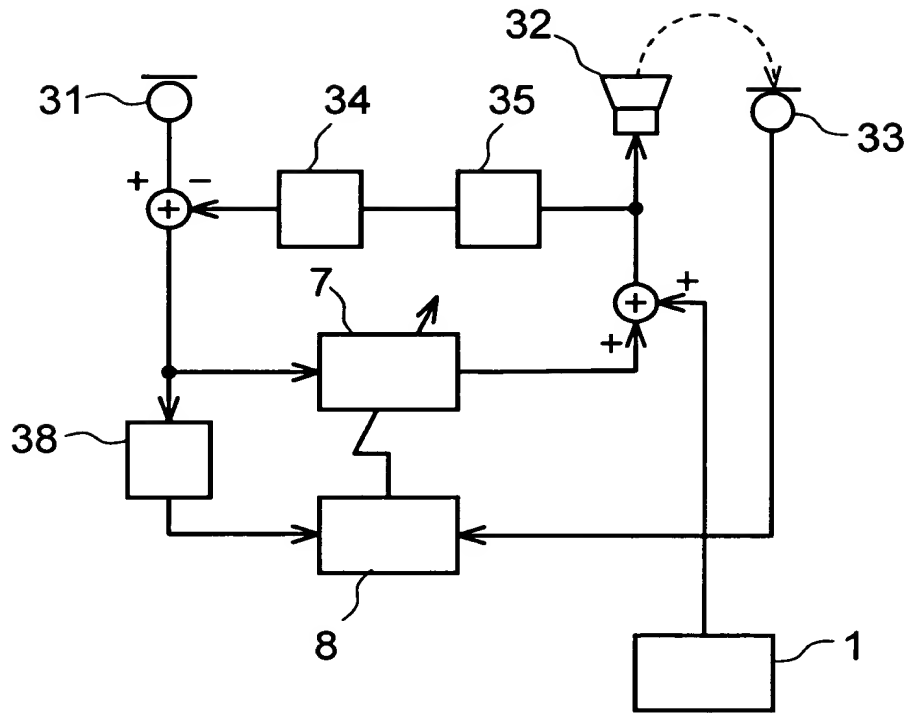


FIG. 4

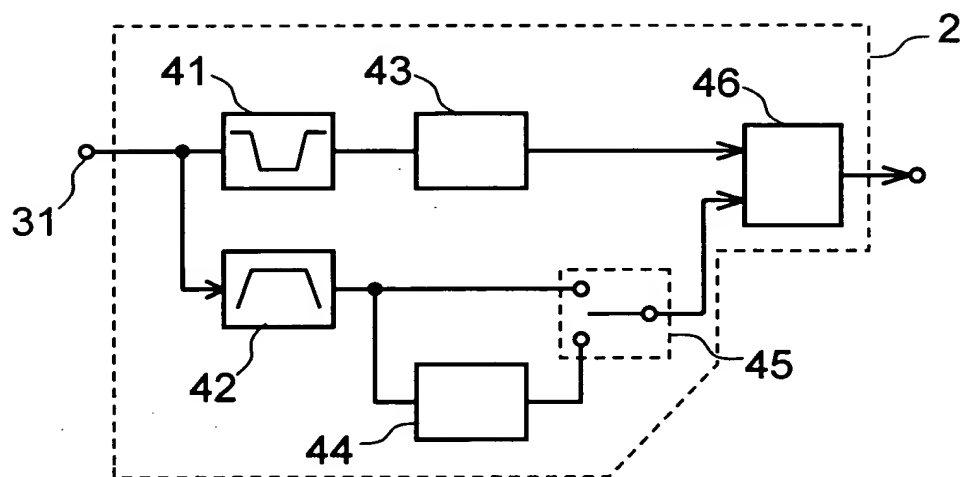


FIG. 5

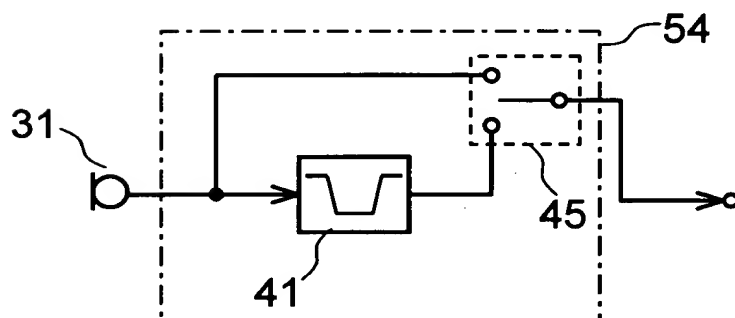


FIG. 6

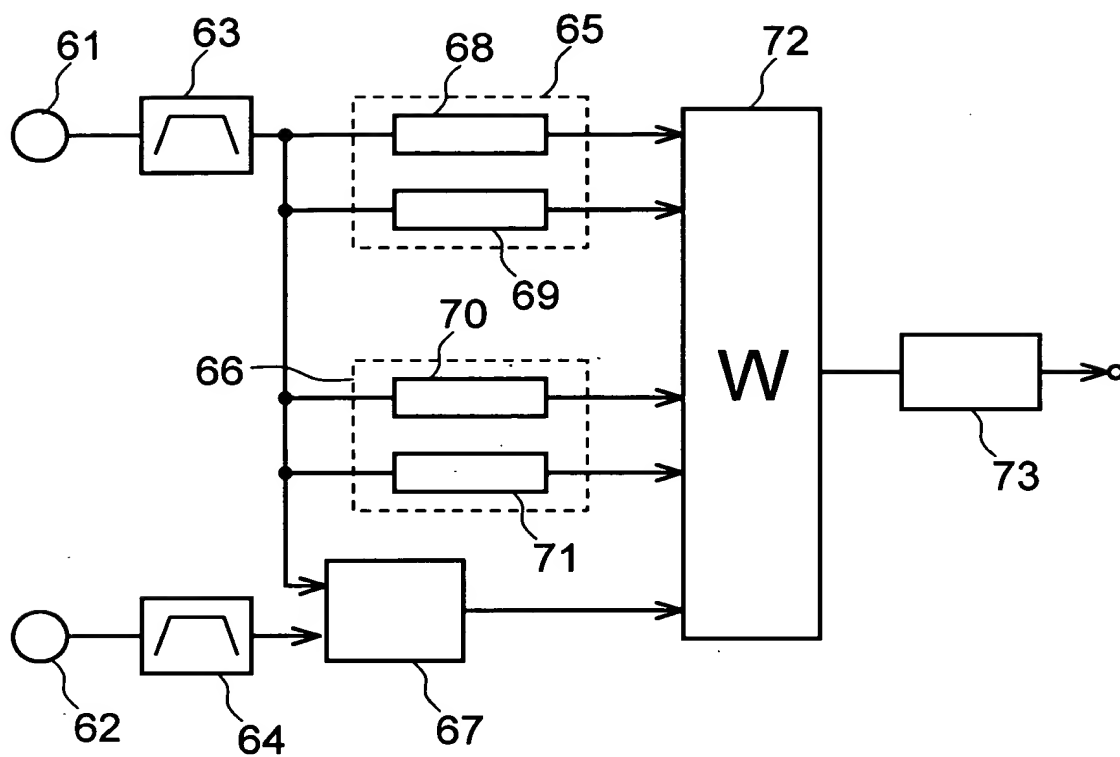


FIG. 7

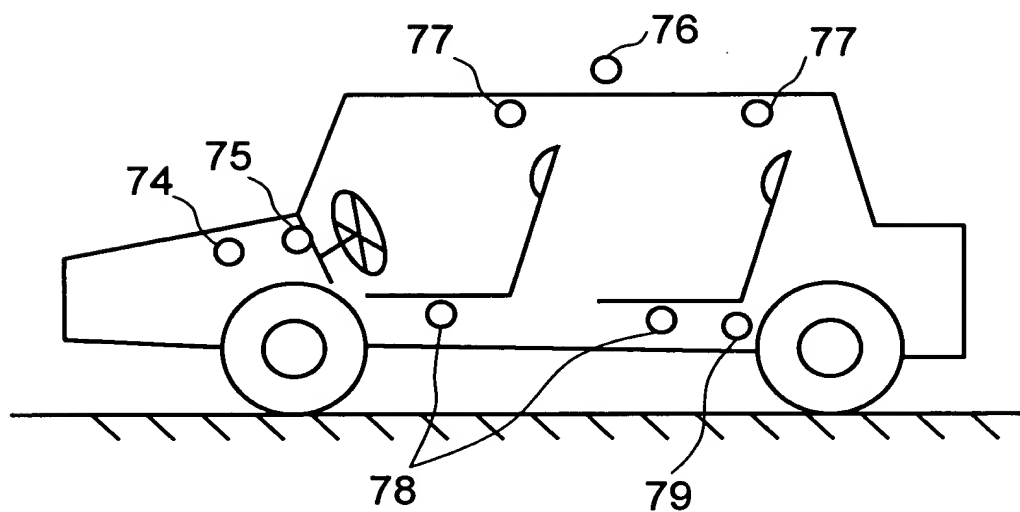
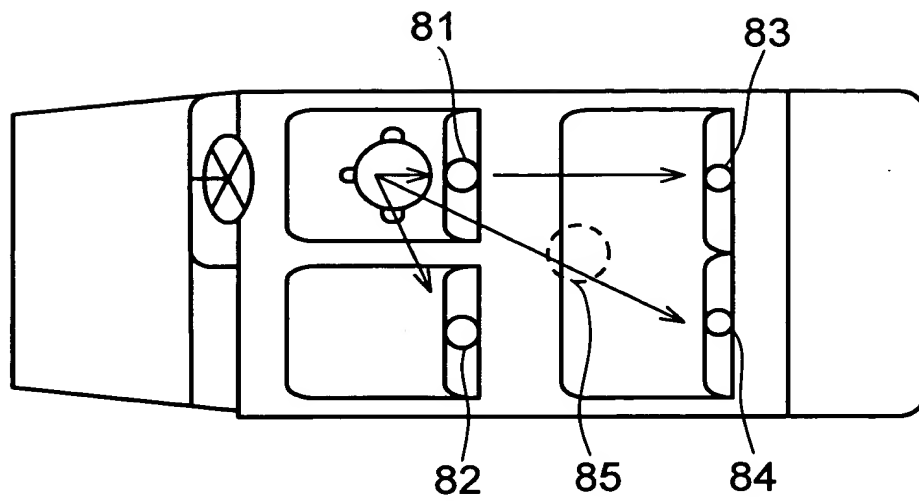


FIG. 8



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FIG. 9A

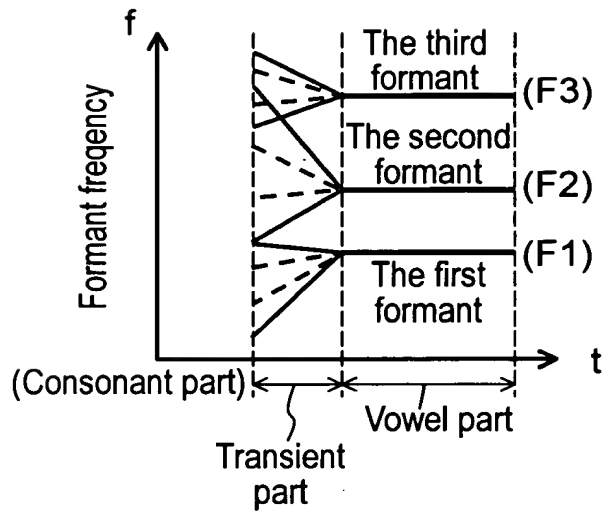


FIG. 9B

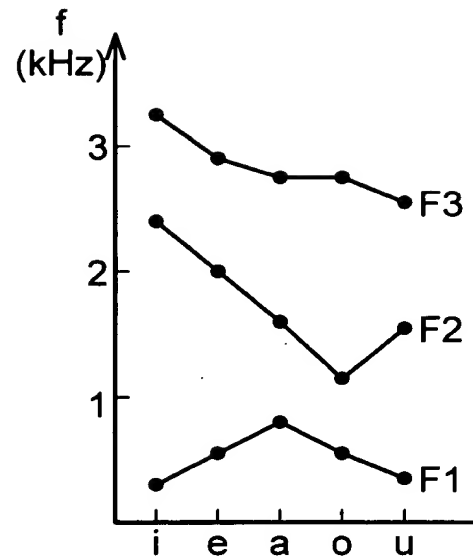


FIG. 10

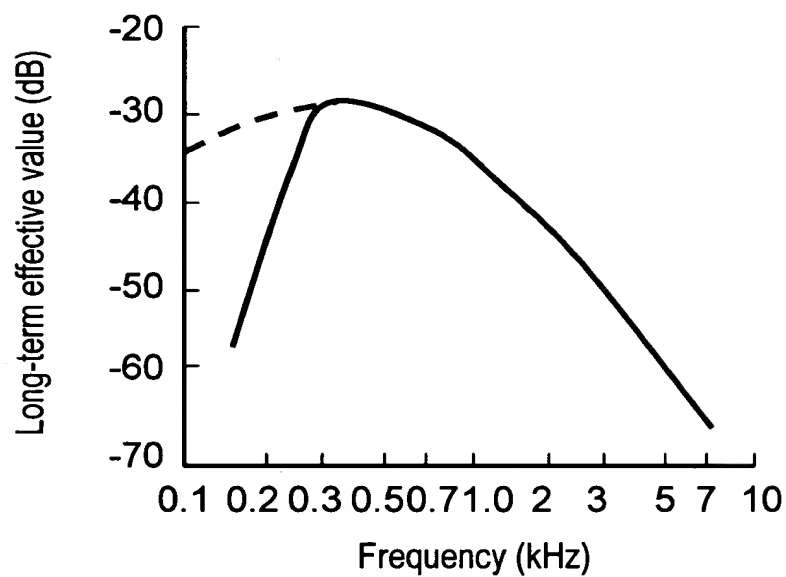


FIG. 11

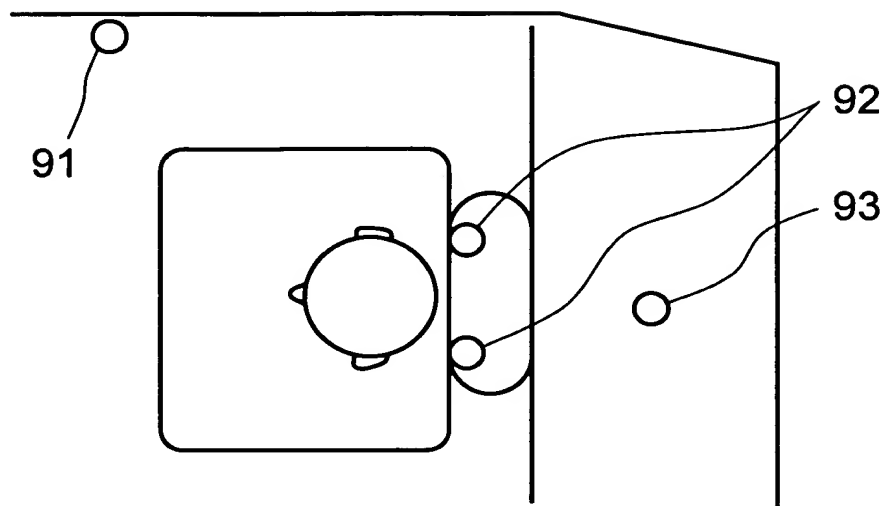


FIG. 12

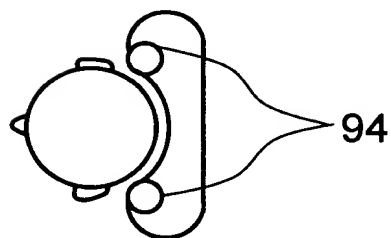
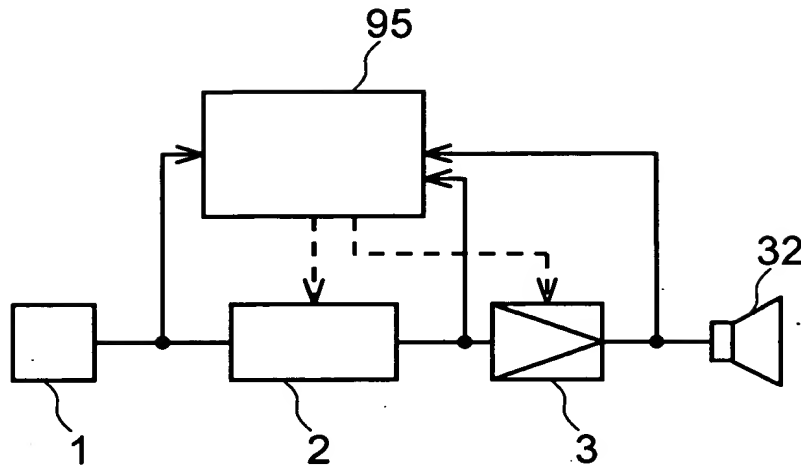




FIG. 13



## Reference numerals in the drawings

- 1 Source unit
- 2 ANC unit
- 3 Amplifier
- 4 Reproducing transducer
- 5 Vehicle interior voice discriminating unit
- 6 Sensor
- 7 Filter
- 8 Adaptive algorithm unit
- 31 Reference microphone
- 32 Speaker
- 33 Error microphone
- 34 Echo-canceling filter
- 35 Delay unit
- 38 Filter
- 41 Filter
- 42 Filter
- 43 Adaptive filter
- 44 Adaptive filter
- 45 Switching unit
- 46 Mixer
- 61 Seat microphone
- 62 Noise reference signal sensor
- 63 Voice band filter
- 64 Voice band filter
- 65 Voice-location estimating unit
- 66 Voice-likelihood estimating unit

- 67 Noise correlating unit
- 68 Time-difference information unit
- 69 Passenger-location information unit
- 70 Spectrum characteristics unit
- 71 Envelope characteristics unit
- 72 Weighting unit
- 73 Determining unit
- 74 Engine sound sensor
- 75 Engine speed sensor
- 76 Outside sound sensor
- 77 Interior sound sensors
- 78 Passenger-detecting sensors
- 79 Road surface sound sensor
- 81 Front seat right microphone
- 82 Front seat left microphone
- 83 Back seat right microphone
- 84 Back seat left microphone
- 85 Center position
- 91 Door speaker
- 92 Headrest speakers
- 93 Rear tray speaker
- 94 Bone-conduction actuators
- 95 Fail-safe unit